

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

**Base Year Modification Request Certification**

**Part 1: Generation Study - No Extrapolation Diversion Data**

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

**California Integrated Waste Management Board**  
**Office of Local Assistance**  
**1001 I Street, (MS-25)**  
**PO Box 4025**  
**Sacramento, CA 95812-4025**

**General Instructions:**

Please select the **ONE** choice below that best explains your request to the Board.

1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.  
 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

**Section I: Jurisdiction Information and Certification**

*All respondents must complete this section*

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name <b>Blythe</b>	County <b>Riverside County</b>		
Authorized Signature	Title		
Type/Print Name of Person Signing	Date	Phone ( ) Include Area Code	
Person Completing This Form (please print or type)	Title		
Affiliation:			
Mailing Address	City	State	ZIP Code
E-Mail Address			

**Section II: Information for New Generation-Based Study for Existing or New Base Year**

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	1998
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:	

**4. Enter diversion rate information below.**

Diversion rate calculated using existing base year	a. 10 %	Diversion rate calculated using new generation-based study	b. 24 %
For existing base year pounds/person/day based on generation	8.47	For new generation based study pounds/person/day based on generation	5.7
Residential generation 42 % Non-Residential generation 58 %		Residential generation 52% % Non-Residential generation 48% %	
Population existing generation-based study	8,448	Population new generation-based study	21,450

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

The City of Blythe 1990 base-year generation study was developed by Riverside County, based on a number of assumptions that proved incorrect. It was erroneously determined by the County Waste Generation Study consultant that the City of Blythe's uncompact waste stream was similar to that of the City of Desert Hot Springs. Further, the limited observational studies were erroneously assigned using countywide allocation methodologies because the Blythe Sanitary Landfill was not in 1990 equipped with a scale. The increase in the diversion rate and revisions to the lbs/person/day values corrects the under reporting and erroneous assumptions made in the original base-year. The new generation tonnage is based on fully enumerated data derived from program and survey information.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The difference between the proposed diversion rates, being greater than 5 percentage points, is attributed to recycling and other diversion activities by the City of Blythe and the Chuckwall and Ironwood Prisons which were not reported in the 1990 base-year.

<b>7. Disposal Tonnage (enter values):</b>	<b>7172</b>	<b>9904</b>	<b>17076</b>
	<b>Residential</b>	<b>Non-Residential</b>	<b>Total</b>

Please select the ONE choice below that best explains your disposal data and complete the required tables.

a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at [www.ciwmib.ca.gov/LGCentral/Forms/rytnmdrq.doc](http://www.ciwmib.ca.gov/LGCentral/Forms/rytnmdrq.doc))

c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at [www.ciwmib.ca.gov/LGCentral/Forms/rytnmdrq.doc](http://www.ciwmib.ca.gov/LGCentral/Forms/rytnmdrq.doc))

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested. Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

\*Please provide detailed Non-Residential waste information in Section 9.

<b>Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.</b>			
<b>Diversion Activity</b>	<b>Actual Tons</b>	<b>Relative Percent to Total Generation</b>	<b>Specific Material Type(s) (List operation with multiple materials in one box)</b>
Please use the Board's program types. The program type glossary is online at <a href="http://www.ciwmib.ca.gov/LGCentral/Paras/CodeReduce.htm">www.ciwmib.ca.gov/LGCentral/Paras/CodeReduce.htm</a>	(A)	(Total Generation)	
<b>Residential Source Reduction Activities</b>			
Backyard composting	0	0.0%	
Grasscycling	0	0.0%	
<b>Other Residential Source Reduction (list each program separately)</b>			
Enter program name	0	0.0%	
Enter program name		0.0%	
Enter program name		0.0%	
Enter program name		0.0%	
<b>Subtotal Residential Source Reduction</b>	<b>0</b>	<b>0.0%</b>	
<b>Residential Recycling Activities</b>			
Curbside Recycling	0	0.0%	
Buyback Centers	299	1.3%	CRV containers
Drop-off Centers	0	0.0%	
			<b>Actual Tonnage</b>
			<b>DOC/DOR Aggregate Volume Report</b>

Diversion Activity	Action Items	Total Generation	Relative Percentage (A/Totals Generation)	Specific Material Types (list generation w/multiple materials in one box)	Type of Record and Location of record	Specific Conversion Factor Used (if any) and Source
Please use the Board's program types. The program type glossary is online at: <a href="http://www.ci.wmb.ca.gov/LGCentral/Paris/Co-des/Reduce.htm">www.ci.wmb.ca.gov/LGCentral/Paris/Co-des/Reduce.htm</a>	(A)					
<b>Other Residential Recycling (list each program separately)</b>						
Enter program name						
Enter program name						
Enter program name						
Enter program name						
<b>Subtotal: Residential Recycling</b>	295	1.3%				
<b>Residential Composting Activities</b>						
Green Waste Drop-off	0	0.0%				
Curbside Green Waste	165	0.7%	greenwaste, wood waste, tree trimming	Actual weights	Franchise hauler's office	
Christmas Tree Program	93	0.4%	Christmas Tree	Actual weights	Franchise hauler's office	
<b>Other Residential Composting (list each program separately)</b>						
Enter program name						
Enter program name						
Enter program name						
Enter program name						
<b>Subtotal: Residential Composting</b>	258	1.2%				
<b>Subtotal: Residential diversion</b>	557	2.5%				
<b>Non-Residential Source Reduction Activities</b>						
Non-Residential Waste Audits*	2680	12.0%		See Section 9	See Section 9	
<b>Other Non-Residential Source Reduction (list each program separately)</b>						
Business source reduction (by Franchise hauler)	0	0.0%	Ledger paper double sided copies	1 ream @ 5 lbs. (US EPA)	Franchise hauler survey	
<b>Subtotal: Non-Residential Source Reduction</b>	2680	12.0%				

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor (used if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: <a href="http://www.cwmb.ca.gov/LGCentral/Paris/Co-desReduce.htm">www.cwmb.ca.gov/LGCentral/Paris/Co-desReduce.htm</a>	(A)				
<b>Non-Residential Waste Audit*</b>	<b>1013</b>	<b>4.5%</b>			
<b>Other Non-Residential Recycling (list each program separately)</b>					<b>See Section 9</b>
Franchisee	6	0.0%	Recycling of cardboard, paper, plastics, plant grinding and mulching	Actual weights	Franchisee's office
Woodwaste collection	78	0.3%	Wood lumber	Actual weights	Franchisee's office
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal Non-Residential Recycling</b>	<b>1097</b>	<b>4.9%</b>			
<b>Non-Residential Composting Activities</b>	<b>0</b>	<b>0.0%</b>			<b>See Section 9</b>
<b>Non-Residential Waste Audit*</b>	<b>0</b>	<b>0.0%</b>			<b>See Section 9</b>
<b>Other Non-Residential Composting (list each program separately)</b>					<b>See Section 9</b>
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal Non-Residential Composting</b>	<b>0</b>	<b>0.0%</b>			
<b>Subtotal Non-Residential Diversion</b>	<b>3776</b>	<b>16.9%</b>			
<b>Residential/Non-Residential Diversion Activities</b>					
ADC					
Sludge					
Scrap Metal	79	0.4%	Scrap metal (white goods/non ferrous metal)	Actual Tonnage	Franchisee's office and Recycling and Salvage Program report
Construction and Demolition	821	3.7%	Concrete, asphalt recycling	Actual Tonnage	Franchisee's office and the Dept of Public Works
Landfill Salvage	22	0.1%	Tires to recycler	Actual Tonnage	Scale receipt Riverside County records
<b>Subtotal Residential/ Non-Residential Diversion</b>	<b>922</b>	<b>4.1%</b>			
<b>Total Res/Non-Res Source Reduction Tons</b>	<b>2690</b>	<b>12.0%</b>			
<b>Total Diversion Tons</b>	<b>5295</b>	<b>23.5%</b>			
<b>Total Disposal Tons from Sec. 7</b>	<b>17076</b>	<b>76.5%</b>			
<b>Total Generation Tons (Div+Dis)</b>	<b>22331</b>				
<b>Diversion Rate</b>	<b>24%</b>				

**9. Specific Non-Residential Sector Waste Audits– Top 10 Non-Residential Generators**

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.  
**(Table will perform all addition calculations)**

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities (e.g., paper recycling, grasscycling; (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Survey Method Phone (P) Mail (M) On-site (O) Other _____
City Government	2	Grasscycling, mulching, double-sided copying, toner cartridges, asphalt/concrete reuse, paper recycling, metals recycling	1478	292		1770	7.9%
State Prisons	1	Grasscycling, mulching, double-sided copying, cardboard recycling, paper recycling, metals recycling, plastics recycling, textiles and leather recycling,mattress recycling	910	395		1304.64	5.8%
Market	7	Toner cartridges, cardboard recycling, plastics recycling, food waste recycling	0	217		217.35	1.0%
Cemetery District	124	Grasscycling and mulching	145	24		169	0.8%
Schools	3	Double-sided copying, grasscycling	147			146.59	0.7%
Agricultural Services	34	Ginning Process Waste	118			118	0.5%
County Government	110	Double-sided copying, grasscycling	78			78	0.3%
County Fair	109	Double-sided copying, grasscycling	44			43.51	0.2%
Service Station	9	Tire and Rubber products recycling		30		30	0.1%
Building material	16	Cardboard and ONP recycling		13		12.5	0.1%
		<b>Totals</b>	<b>2800.75</b>	<b>1088.84</b>		<b>3889.59</b>	<b>17.4%</b>

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name)

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling; quantified by monthly tonnage receipts provided by the contact person at the business).

**Cardboard recycling**  
Business #1 - Actual tonnage from RASP report; Business #2 - actual weight  
#16 - actual weight

**Paper Recycling**  
Business #1 - Actual tonnage from RASP report; Business #2 - actual tonnage

**Newspaper recycling**  
Business #16 - actual weight

**Paper reduction by double sided copying**

Business #1 - 5 lbs/ream (US EPA) and the use of 9600 reams of paper @ 85% double sided; Business #2 - 5 lbs/ream (US EPA) and the use of 880 reams of paper @ 25% double sided; Business #11 - 5 lbs/ream (US EPA) and 100 reams of paper @ 10% double sided; Business #3 - 5 lbs/ream (US EPA); Business #110 5 lbs/ream (US EPA); Business #190 - 5 lbs/ream (US EPA)

**Grasscycling**- Business #2 - 155 acres @ 350 lbs/1000 sq ft/year; Business #1 - 101 acres@ 350 lbs/1000 sq ft/year; Business #109 - 5.7 acres @ 350 lbs/1000 sq ft/year; Business #110 - 10.3 acres @ 350 lbs/1000 sq ft/year; Business #109 - 5.7 acres @ 350 lbs/1000 sq ft/year

**Toner Cartridges recycling**

Business #2 - 16 toner cartridges @2.5lbs/cartridge (USEPA); Business #7 - 8 toner cartridges@ 2.5lbs/cartridge (USEPA)

**Mulching**

Business #2 - 4 x 40 cu yds @ 250lbs/cu yd (USEPA); Business #1 - actual weight (bagged mulch at the prison's scale); Business #124 - 192 cu yds @ 250lbs/cu yd

**Asphalt/Concrete Reuse**

Business #2 - Actual weight at the hauler's scale

**Ginning Process Waste recycling**

Business # 34 - Actual weight. Cotton is weighed before processing and the lint and seeds after processing are weighed and sold. Weight of ginning trash is the difference of the weight of cotton before processing and the weight of lint and cotton seeds after processing.

**Tire and Rubber products recycling**

Business # 9 - actual tonnage

**Metal Recycling**

Business #2 - Actual weight tickets; Business #1 - Actual Weight from RASP report

**Plastic Recycling**

Business #1 (plastic buckets) - actual weight from RASP report; Business #7 (film plastic recycling) actual weight

**Textiles and leather recycling**

**Textiles and leather recycling**  
Business #1 - actual weight

**Mattress Recycling**  
Business #1 - 2290 mattresses @ 35.31lbs/mattress

**Food waste recycling**

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concreter, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

**Note:** *program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.)."*

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Inert Solids	▼ Palo Verde Disposal concrete/asphalt recycling	1995	550
White Goods	▼ Palo Verde Disposal white goods recycling	1995	25
Scrap Metal	▼ City of Blythe street sign and water meters	1993	1
Inert Solids	▼ City of Blythe asphalt grinding in place	1995	300
Scrap Metal	▼ Chuckawalla Valley & Ironwood State Prisons scrap metals recycling	1994	53
Inert Solids	▼ City of Blythe concrete/asphalt for irrigation district	1993	271

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note** : this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

**Note:** *If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.*

Instead please provide date of Board approval of previously submitted information.

(Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note** : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			

## Business Audit Diversion for the City of Blythe

Reference Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Tons
11	Appliance Store	Recycling	Cardboard	Actual tonnage from company	0.5
		Recycling	White goods	Actual tonnage from company	-102
		S-Reduction	Double sided copying	Rearm (500 sheets) = 5 lbs, USEPA	0.01
* 7	Market	Recycling	Cardboard	Actual tonnage from company	-103.5
		Recycling	HDPE	Actual tonnage from company	0.1
		Recycling	Film Plastic	Actual tonnage from company	-1.72
		Recycling	Food Waste	Actual tonnage from company	22
		S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.01
34	Agricultural Services	Recycling	Industrial Process Waste	Actual tonnage from company and hauler	118
		S-Reduction	Double sided copying	Rearm (500 sheets) = 5 lbs, USEPA	0.02
• 102	Wholesale Trade	Recycling	Refillable glass containers	Actual tonnage from company	-102
•		Recycling	Other recyclable glass	Actual tonnage from company	-0.8
15	Manufacturing	Recycling	Cardboard	Actual tonnage from company	0.9
		Recycling	High grade ledger	Actual tonnage from company	0.05
		Recycling	Non ferrous metals/ aluminum scrap	Actual tonnage from company	-40
		Recycling	Tires and rubber products	Actual tonnage from company	0.15
		Recycling	Wood waste, including pallets	Actual tonnage from company	40
9	Service Station	Recycling	Tires and rubber products	Actual tonnage from company	30
17	Micellaneous Retail	Recycling	Ferrous metal and tin cans	Actual tonnage from company	-10
•		Recycling	White goods	Actual tonnage from company	-0.1
		Recycling	Tires and rubber products	Actual tonnage from company	0.4
		Recycling	Wood waste, including pallets	Actual tonnage from company	2.5
16	Building Materials	Recycling	Cardboard	Actual tonnage from company	12
		Recycling	Newspaper	Actual tonnage from company	0.5
66	Agriculture Services	Recycling	Cardboard	Actual tonnage from company	-1
•		Recycling	Grinding/ Mulching	Actual tonnage from company	-0.5
•		Recycling	Potting soil	Actual tonnage from company	-10
18	Eating Place	Recycling	Fats and Oils	Actual tonnage from company	10
8	Utility	Recycling	Cardboard	Actual tonnage from company	0.25
		Recycling	Mixed Paper	Actual tonnage from company	0.5
		Recycling	Newspaper	Actual tonnage from company	0.05
•		Recycling	Aluminum cans	Actual tonnage from company	-0.63
•		Recycling	Bimetal cans	Actual tonnage from company	-0.5
		Recycling	Tires and rubber products	Actual tonnage from company	0.62
		Recycling	Wood waste, including pallets	Actual tonnage from company	2
		S-Reduction	Double sided copying	Rearm (500 sheets) = 5 lbs, USEPA	0.02

\* Add: #7 MARKET - RECYCLING - FILM PLASTIC

ACTUAL WEIGHT = 1.83 TONS. VERIFIED  
By PHONE CALL WITH CO. STAFF.

\* 11 tons

Page 1

27	Plumbing	Recycling	Ferrous metals and tin cans	Actual tonnage from company	-1	deduct
•		Recycling	Non ferrous metals and scrap aluminum	Actual tonnage from company	-1	deduct
•		Recycling	White goods	Actual tonnage from company	-6	deduct
22	Eating Place	Recycling	Cardboard	Actual tonnage from company	1.5	
		Recycling	Mixed paper	Actual tonnage from company	0.5	
		Recycling	Other plastics	Actual tonnage from company	0.25	
		Recycling	Other glass	Actual tonnage from company	0.5	
		Recycling	Food Waste	Actual tonnage from company	2.5	
		Recycling	Fats and oils	Actual tonnage from company	1.7	
115	Lodging Place	Recycling	Mattresses	174.3 lbs (Queen), LA Study	6	
41	General Merchandise	Recycling	Cardboard	Actual tonnage from company	5.5	
91	Real Estate	Recycling	Non ferrous metals and scrap aluminum	Actual tonnage from company	-0.1	deduct
		Recycling	Grinding of grass and leaves	Actual tonnage from company	4.2	
56	Utility	Recycling	Cardboard	Actual tonnage from company	0.65	
		Recycling	Mixed paper	Actual tonnage from company	0.25	
		Recycling	Newspaper	Actual tonnage from company	0.05	
•		Recycling	Aluminum cans	Actual tonnage from company	-0.01	deduct
•		Recycling	Ferrous metals and tin cans	Actual tonnage from company	-1.1	deduct
•		Recycling	Non ferrous metals and scrap aluminum	Actual tonnage from company	-1.2	deduct
		Recycling	Tires and rubber products	Actual tonnage from company	0.9	
99	Real Estate	Recycling	Cardboard	Actual tonnage from company	0.25	
		Recycling	Mixed paper	Actual tonnage from company	0.25	
		Recycling	Newspaper	Actual tonnage from company	0.25	
•		Recycling	CRV glass	Actual tonnage from company	-0.03	deduct
•		Recycling	Aluminum cans	Actual tonnage from company	-0.08	deduct
•		Recycling	Ferrous metals and tin cans	Actual tonnage from company	-0.5	deduct
•		Recycling	Non ferrous metals and scrap aluminum	Actual tonnage from company	-0.15	deduct
•		Recycling	White goods	Actual tonnage from company	-1.5	deduct
•		Recycling	Wood waste including pallets	Actual tonnage from company	-0.25	deduct
		S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.01	PALLETS ARE BUENED
		S-Reduction	Reuse and auction of equipment	Actual tonnage from company	0.01	
		S-Reduction	Donated office supplies	Actual tonnage from company	0.01	
117	Lodging Place	Recycling	Mattresses	174.3 (Queen), LA Study	3	
12	Warehouse	Recycling	Cardboard	Actual tonnage from company	3	
116	Lodging Place	Recycling	Mattresses	174.3 (Queen), LA Study	-2.4	
104	Eating Place	Recycling	Fats and oils	Actual tonnage from company	2.1	
46	Trucking	Recycling	Newspaper	Actual tonnage from company	0.01	
•		Recycling	Aluminum cans	Actual tonnage from company	-0.09	deduct
		Recycling	Tires and rubber products	Actual tonnage from company	2	
		S-Reduction	Double sided copying	Rearm (500 sheets) = 5 lbs, USEPA	0.03	
		S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.01	
40	Agricultural Services	Recycling	Aluminum cans	Actual tonnage from company	-0.02	deduct

		Recycling	Tires and rubber products	70 lbs/truck tire, Iowa Directory	1.7
		S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.03
14	Eating Place	Recycling	Fats and oils	Actual tonnage	1.7
		S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.04
88	Eating Place	Recycling	Fats and oils	Actual tonnage from company	1.7
105	Eating Place	Recycling	Fats and oils	Actual tonnage from company	1.7
118	Eating Place	Recycling	Fats and oils	Actual tonnage from company	1.7
119	Eating Place	Recycling	Fats and oils	Actual tonnage from company	1.7
120	Eating Place	Recycling	Fats and oils	Actual tonnage from company	1.7
121	Eating Place	Recycling	Fats and oils	Actual tonnage from company	1.7
122	Eating Place	Recycling	Fats and oils	Actual tonnage from company	1.7
123	Eating Place	Recycling	Fats and oils	Actual tonnage from company	1.7
23	Food Store	Recycling	Aluminum cans	Actual tonnage from company	-0.03 deduct
		Recycling	Ferrous metals and tin cans	Actual tonnage from company	-1.5 deduct
89	Plumbing Contractor	Recycling	Cardboard	Actual tonnage from company	0.5
		Recycling	Non ferrous metals and scrap aluminum	Actual tonnage from company	-1 deduct
35	Building Materials	Recycling	HDPE containers	Actual tonnage from company	0.06
		Recycling	Tires and rubber products	70 lbs/truck tire, Iowa Directory	0.6
		Recycling	Wood waste including pallets	Actual tonnage from company	0.75
		S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.01
48	Drinking Establishment	Recycling	Aluminum cans	Actual tonnage from company	-1.5 deduct
114	Lodging Place	Recycling	Mattresses	174.3 lbs (Queen), LA Study	1.2
29	Batch Plant Operator	Recycling	Tires and rubber products	70 lbs/truck tire, Iowa Directory	0.5
		Recycling	Rocks, concrete, bricks and asphalt	Actual tonnage from company	-0.5 deduct
62	Education Services	Recycling	Mixed paper	Actual tonnage from company	1
		Recycling	Newspaper	Actual tonnage from company	0.03
		Recycling	Aluminum cans	Actual tonnage from company	-0.03 deduct
24	Service Station	Recycling	Tires and rubber products	21 lbs/auto tire, Iowa Directory	1
52	Building Materials	Recycling	Cardboard	Actual tonnage from company	0.75
		S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	-0.01
28	Electrical Contractor	Recycling	Cardboard	Actual tonnage from company	0.75
		S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.01
32	Agricultural Services	Recycling	Tires and rubber products	70 lbs/truck tire, Iowa Directory	0.5
45	Agricultural Services	Recycling	Tires and rubber products	70 lbs/truck tire, Iowa Directory	0.3

92	Real Estate	S-Reduction	Double sided copying	Ream (500 sheets) = 5 lbs, USEPA	0.01

Total Business Diversion 494.07 476.52

#### Waste Audits for Non-Business Entities

Reference Number	Entity	Diversion Activity	Material Type	Conversion Factor and Source	Tons
2	City Government	Recycling	Mixed Paper	No conversion/actual tonnage	0.1
		Recycling	High Grade Paper	No conversion/actual tonnage	0.15
		Recycling	Non ferrous metal/aluminum scrap	No conversion/actual tonnage	0.6
		Recycling	Plant grinding/mulching	No conversion/actual tonnage	20
•	Illegal dumping	Recycling	Rocks, concrete, brick and asphalt	No conversion/actual tonnage Deduct 6,000	6,271.00 271.00
		Recycling	Sludge	No conversion/actual tonnage	-500 deduct
		S-Reduction	Double sided copying	Ream (500 sheets) = 5 lbs	0.28
		S-Reduction	Toner cartridges		0.02
•		S-Reduction	Reuse/avaiton of equipment	No conversion/actual tonnage	-100 deduct
		S-Reduction	Asphalt grinding in place	No conversion/actual tonnage	300
•		S-Reduction	Repair/reuse items	No conversion/actual tonnage	-109.2 deduct
		S-Reduction	Backyard composting		-16.45 deduct
155 acres		S-Reduction	Grasscycling	350 lbs/1000 sq ft - city acreage records Deduct 170.50	1,348.50 1178.00
					Total City Diversion Tonnage 3,666.30
* 1	Prisons	Recycling	Cardboard	Noconversion/actual tonnage	-407.50 246.35
		Recycling	Mixed paper	Noconversion/actual tonnage	-0.25 8.8
		Recycling	High grade ledger	Noconversion/actual tonnage	10.4
		Recycling	HDPE	Noconversion/actual tonnage	0.6
		Recycling	PETE	Noconversion/actual tonnage	-0.1
		Recycling	Other Plastics	Noconversion/actual tonnage	-44 1.8
		Recycling	Aluminum cans	Noconversion/actual tonnage	1.04 8.9
•		Recycling	Ferrous metals and tin cans	Noconversion/actual tonnage Deduct 18.03	74.19 53.16
•		Recycling	Wood waste including pallets	Noconversion/actual tonnage NOT REPORTED	-144 deduct
		Recycling	Textiles and leather	Noconversion/actual tonnage	23.8
•		Recycling	Rocks, concrete, brick and asphalt	Noconversion/actual tonnage NOT REPORTED	-204.00 deduct
		S-Reduction	Double sided copying	Ream (500 sheets) = 5 lbs	10.2
					Total Prison Diversion Tonnage 610.1
96 •	Franchisee	Recycling	Cardboard	Noconversion/actual tonnage Deduct 23	-26 3
		Recycling	Mixed paper	Noconversion/actual tonnage	0.2
		Recycling	Newspaper	Noconversion/actual tonnage	0.75
		Recycling	Other Plastics	Noconversion/actual tonnage	0.12
•		Recycling	CRV Glass	Noconversion/actual tonnage	-0.28 deduct
•		Recycling	Aluminum cans	Noconversion/actual tonnage	-3.3 deduct
		Recycling	Non ferrous aluminum scrap	Noconversion/actual tonnage	0.74
		Recycling	White goods	Noconversion/actual tonnage	24.7
		Recycling	Plant grinding/mulching	Noconversion/actual tonnage	2
		Recycling	Rocks, concrete, brick and asphalt	Noconversion/actual tonnage	550
		S-Reduction	Double sided copying	Ream (500 sheets) = 5 lbs	0.12

\* ADD: #1 PRISONS - S.Reduction - Grasscycling - 101 acres @ 7.6 tons/acre = 767.60 tons  
 " " - Mulching - 15 acres @ 243,680 lbs. (Actual weight) = 131.80 tons  
 Recycling - Mattresses - 2,370 @ 35.31 lbs. /each = 80,860 lbs. = 40.43 tons

97	Real Estate	Recycling	HDPE containers	Actual tonnage from company	0.1
		Recycling	PETE containers	Actual tonnage from company	0.08
•		Recycling	Aluminum cans	Actual tonnage from company	-0.13 deduct
		S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.01
63	Consulting	Recycling	Newspaper	Actual tonnage from company	0.03
		Recycling	Other plastics	Actual tonnage from company	0.05
•		Recycling	CRV glass	Actual tonnage from company	-0.11 deduct
		Recycling	Aluminum cans	Actual tonnage from company	-0.03 deduct
		S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.01
74	Recreational Services	Recycling	Aluminum cans	Actual tonnage from company	-0.11 deduct
80	Business Services	Recycling	Mixed paper	Actual tonnage from company	0.01
•		Recycling	Aluminum cans	Actual tonnage from company	-0.02 deduct
		Recycling	Grinding of leaves, grass and prunings	Actual tonnage from company	0.05
		S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.01
		S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.01
78	Business Services	Recycling	Other paper	Actual tonnage from company	0.02
•		Recycling	Aluminum cans	Actual tonnage from company	-0.01 deduct
		S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.04
93	Real Estate	Recycling	Cardboard	Actual tonnage from company	0.01
		S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.01
37	Agricultural Services	Recycling	Aluminum cans	Actual tonnage from company	-0.01 deduct
19	Agricultural Services	S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.31
90	Real Estate	S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.08
59	Automotive Dealer	S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.03
		S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.03
64	Automotive Dealer	S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.01
		S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.03
84	Real Estate	S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.03
69	Agriculture Services	S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.02
10	Truck Repair	S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.02
79	Biological Research	S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.02
21	Automotive Dealer	S-Reduction	Toner cartridges	2.5 lbs, USEPA	0.01
39	Agricultural Services	S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.01
57	Personal Services	S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.01
43	Communications	S-Reduction	Double sided copying	Rream (500 sheets) = 5 lbs, USEPA	0.01

				Total Franchise Diversion Tonnage	608.24	TOTAL 581.63
84	Recycling Center	Recycling	HDPE	Noconversion/actual tonnage	10.5	deduct
*		Recycling	CRV Glass	Noconversion/actual tonnage	-402.1	deduct
*		Recycling	Aluminum cans	Noconversion/actual tonnage	-85	deduct
				Total Recycling Center Diversion Tonnage	-407.6	
85	Non-profit Org.	Recycling	PETE	Noconversion/actual tonnage	-5.4	deduct
*		Recycling	CRV Glass	Noconversion/actual tonnage	-42.5	deduct
*		Recycling	Aluminum cans	Noconversion/actual tonnage	-69	deduct
				Total Non-profit Org. Diversion Tonnage	-107.7	
124	Cemetery District	Recycling	Plant grinding/mulching	Noconversion/actual tonnage	24	
		S-Reduction	Grasscycling	350 lbs/1,000 sq ft - acreage records	145	
				Total Cemetery District Diversion Tonnage	169	TOTAL
113	Landfill	Recycling	Tires and Rubber Products	Noconversion/actual tonnage	22	
				Total Landfill Diversion Tonnage	22	TOTAL
106	Disabilities Training Center	Recycling	Newspaper	Noconversion/actual tonnage	-0.03	deduct
*		Recycling	Whitegoods	Noconversion/actual tonnage	-1.0	deduct
*		S-Reduction	Double sided copy	Ream (500 sheets) = 5 lbs	-0.06	deduct
*		S-Reduction	Reuse items	Conversion factor and percent enumeration attached	-222	deduct
				Total Training Center Diversion Tonnage	-224.41	O TOTAL
6	College	Recycling	Cardboard	Noconversion/actual tonnage	1	
*		Recycling	Aluminum cans	Noconversion/actual tonnage	-0.1	deduct
*		S-Reduction	Double sided copy	Ream (500 sheets) = 5 lbs	8.75	
				Total College Diversion Tonnage	-9.85	9.75 TOTAL
4	Irrigation District	Recycling	Cardboard	Noconversion/actual tonnage	0.25	
		Recycling	Newspaper	Noconversion/actual tonnage	0.25	
*		Recycling	High grade ledger	Noconversion/actual tonnage	0.25	
*		Recycling	Aluminum cans	Noconversion/actual tonnage	-0.03	deduct
				Total Irrigation District Diversion Tonnage	-0.78	0.75 TOTAL
3	Schools	Recycling	Aluminum cans	Noconversion/actual tonnage	-0.4	
*		S-Reduction	Double sided copying	Ream (500 sheets) = 5 lbs	32.25	deduct
*		S-Reduction	Grasscycling	350 lbs/1,000 sq ft - acreage records	114.34	
				Total Schools Diversion Tonnage	-146.59	TOTAL 146.59
110	County Government	Recycling	Aluminum cans	Noconversion/actual tonnage	-0.01	deduct
*		S-Reduction	Double sided copying	Ream (500 sheets) = 5 lbs	0.09	
		S-Reduction	Grasscycling	350 lbs/1,000 sq ft - acreage records	78.3	
				Total County Government Diversion Tonnage	-78.4	TOTAL 78.39
109	County Fair	S-Reduction	Double sided copying	Ream (500 sheets) = 5 lbs	0.01	
		S-Reduction	Grasscycling	350 lbs/1,000 sq ft - acreage records	43.5	
				Total County Fair Diversion Tonnage	43.51	TOTAL
62	Comm. Act. Council	S-Reduction	Double sided copying	Noconversion/actual tonnage	0.09	
				Total Community Action Council Diversion Tonnage	0.09	TOTAL

Total Non Business Diversion (Governments) 10,893.94

Total Diversion Tonnage 11,388.01

+ 581.6

4643.76

Page 6 TOTAL

$$\begin{aligned}
 SR &= 2679.30 \\
 R &= 1352.75 + 0.12 (\text{FRANCHISEE}) \\
 &\quad + 581.51 (\text{FRANCHISEE})
 \end{aligned}$$